Fig. 1
Alplex and Latex

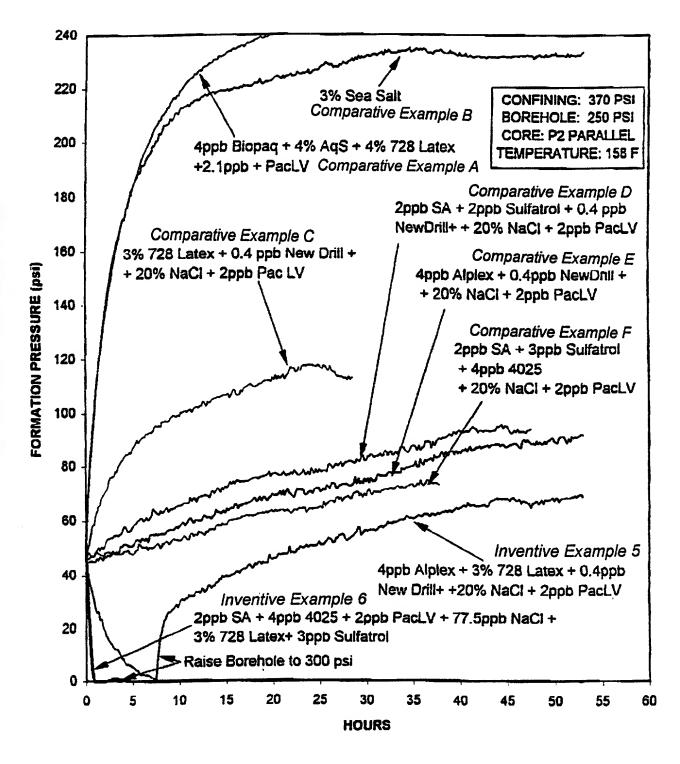
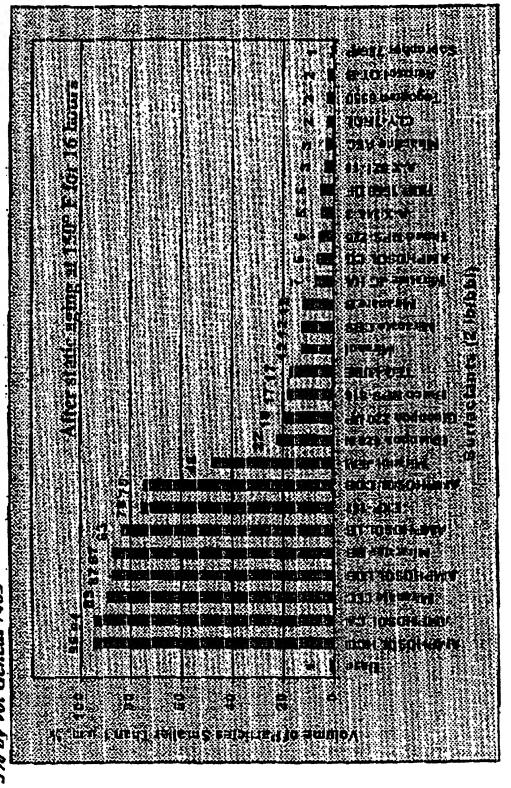
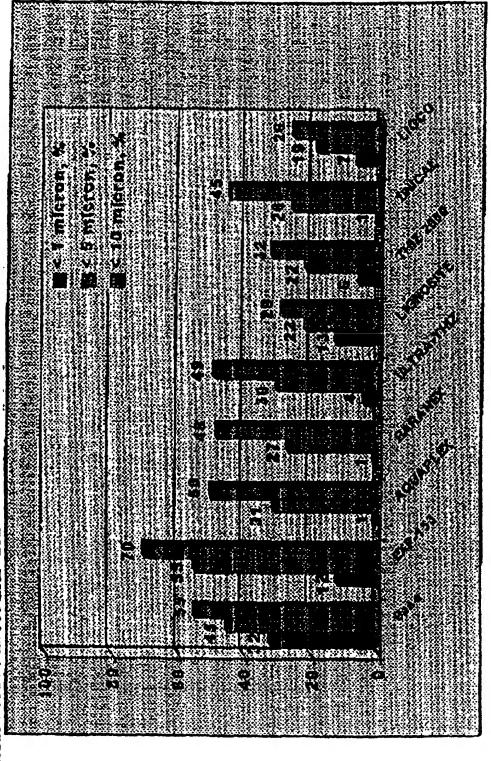


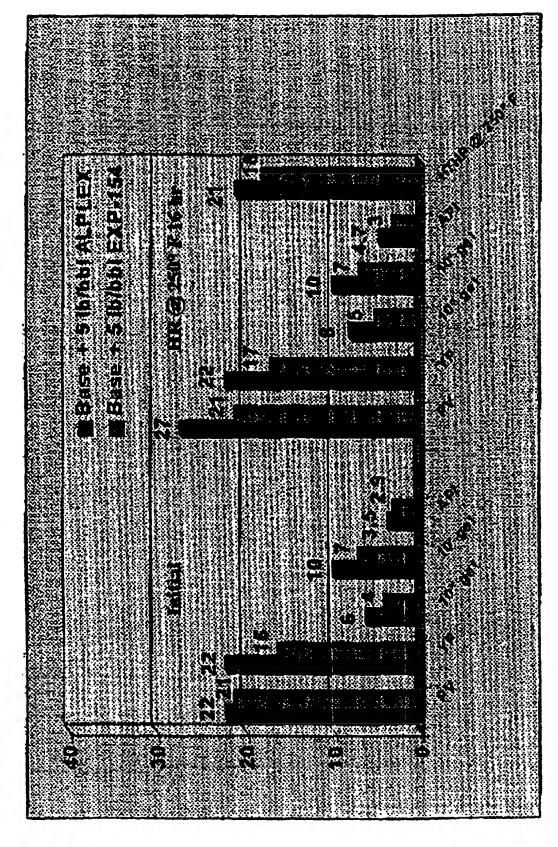
Figure 2 Surfactant effect on Gencal 7463 particle size in 20% NaCl / 1 Ib/bbl NEW-DRILL® PLUS / 1 Ib/bbl XAN-PLEXTM D / 0.5 Ib/bbl sodium gluconate /3 Ib/bbl NaAlO/ 5% by vol Gencal 7463



after 16 hours, 150°F not roll in 26% NaCl / 6.15 lb/bbl XAN-PLEX® D / 0.5 lb/bbl sodium Figure 3 Influence of polymer resins (3 lb/bbl) on Gencal 7463 particle size distributions d-gluconair / 0.4 ivôbi NEW-DRILL® PLUSZ ib/bbi BIO-PAQ® / 3 ib/bbi NaAiO, / 3% Gencal 7468 A lb/bbl EXP-152



PLEX® D / 2 IB/BBI BIO-LOSE® / 1 IB/BBI NEW-DRILL® PLUS / 3% EXP-155 / 150 IB/BBI Figure 4 EXP-154 versus ALPLEX® in 12 lb/gal mud Base: 20% NuCl / 0.5 lb/bbl XAN-MIL-BAR® / 27 lb/bbl Rev Dust



Horebole: 300 psi Base: 20% NaCl ±0;41b/bbl Confirme, 440 ps. NEW-ORILL PLUS + 2 Temperature: 138° F IBABI MIL-PACLY Core PIERR II Parallel 100 Celt: Generation VIII 80 Base + 4 fb/bbl ALPLEX 40 Base + 4 IN HOLEXP-154 +3% AbBer 728+ 1 th/hat EXP-152 Oil Base Mud: 80/20 ISOTTO. Base + 4 lb/bbl EXP-154 25% C+C;+616/66/ CARBOGEL +3% LXP-155 **∓10 h/bbi CARBOMUL** HOURS

Figure 5 PPT test results for ALPLEX®, EXP-154/EXP-155, and ISO-TEQ® fluids

Figure 6 Effect of circulation on EXP-154/EXP-155 mud performance

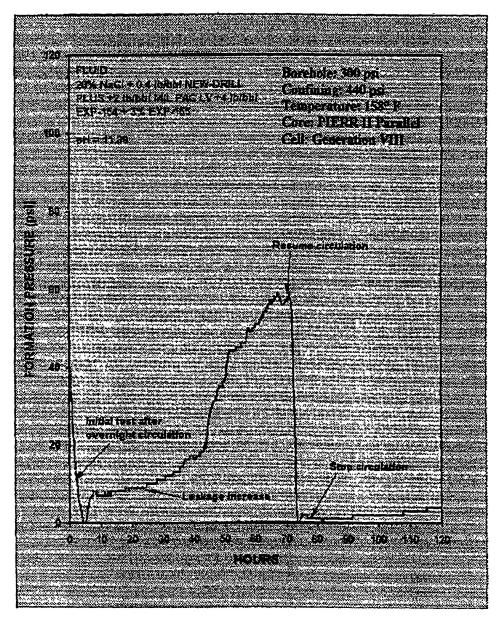


Figure 7 Effect of latex on mud properties in 9.6 lb/gal 20% NaCl fluid after 16 hour, 250°F hot roll. Base: 20% NaCl / I lb/hbl XAN-PLEX® D / 0.4 lb/khl NFW-NRT 1 ® DI 11C / 1 Base: 20% NaCl / I lb/bbi XAN-PLEX® D / 0.4 lb/bbi NEW-DRILL® PLUS / 2 1b/bbi BIO-PAQ® / S 1b/bbi EXP-154 / 10 1b/bbi MIL-CARB® / 27 1b/bbi Rev Dust

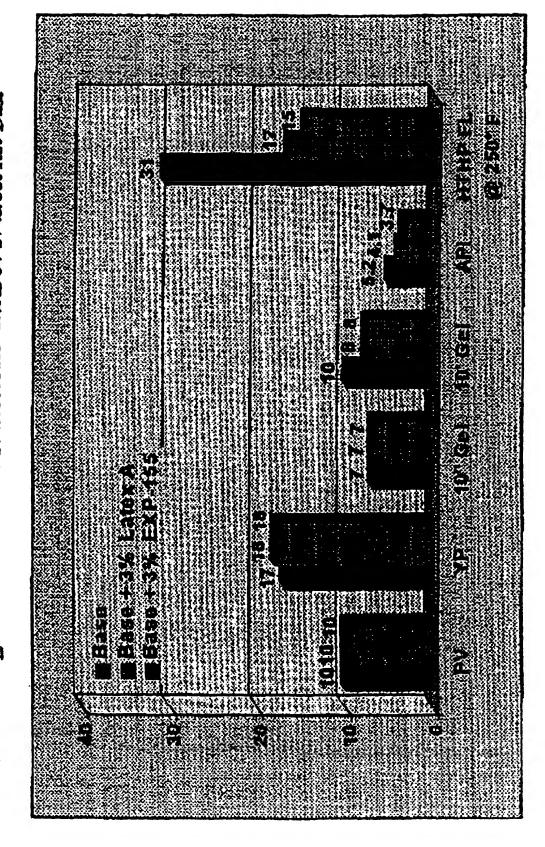


Figure 8 Effect of latex on mud properties in 12 lb/gal fluid after hot rolling for 16 hours at 250°F. Base: 20% NaCl / 0.75 Wobi XAN-PLEX® D / 0.4 Wobi NEW-DRILL® PLUS / 3 thabi BIO-PAQ® / 5 thabi EXP-154 / 150 thabi MIL-RAR® / 27 thabi Rev Dust

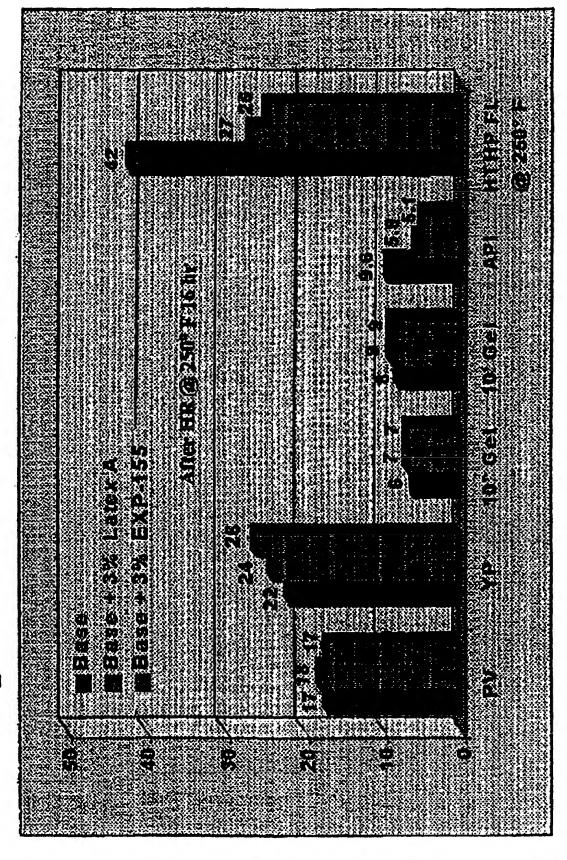


Figure 9 96 hour Mysidopsis bahia range finder results for experimental products in 12 lb/gal fluids. Base: 20 % NaCl / 0.5 lb/bbl XAN-PLEX® D / 0.4-1 lb/bbl NEW-DRILL® PLUS / 2 15/661 MIL-PACO LV (or BIO-PAQO) / 150 15/661 MIL BARO

